This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1-8 (canceled)

Claim 9 (original): An electronic component provided with a terminal member comprising iron or an alloy containing iron, and a connection conductor comprising copper or an alloy containing copper, said terminal member being joined to said connection conductor by resistance welding, wherein

a first alloy layer containing nickel, copper and iron is formed at the side of the terminal member, and a second alloy layer containing nickel and copper is formed at the side of the connection conductor along the interfaces on the terminal member and on the connection conductor, respectively.

Claim 10 (original): An electronic component according to Claim 9, wherein the terminal member is provided with the cap-shaped terminals to be put on both ends of the electronic component, and the connection member is provided with a central conductor to be disposed on the center line of the electronic component, the inner face of the cap-shaped terminal being joined to each end face of the central conductor by resistance welding in the area where the former butts against the latter, and the electronic component further comprising an element having a through hole for receiving the central conductor and being disposed on the central conductor while it is received in the through hole.

Claim 11 (new): A structure of a resistance welded part comprising:
a first metallic member comprising iron or an alloy containing iron;
a second metallic member comprising copper or an alloy containing copper;
the first and second metallic members being joined together by:

1) forming a nickel film on at least one surface of the first and second metallic members;
2) allowing the first metallic member to butt against the second metallic member via the nickel film; and
3) melting a part of each of the first and second metallic members and at least the part of the nickel films by flowing electric currents through the first and second metallic members to generate heat based on contact resistance between the first and second metallic members, thereby joining the first. metallic member to the second metallic member so that a first alloy layer containing nickel, copper and iron is formed adjacent the first metallic member at the interface between the first and second metallic members and a second alloy layer containing nickel and copper is formed adjacent the second metallic member at the interface between the first and second metallic members.

Claim 12 (new): A structure of a resistance welded part according to Claim 11, wherein the nickel film is formed by plating.

Claim 13 (new): A structure of a resistance welded part according to Claim 12, wherein the nickel film is formed with a thickness of about 0.5 μm to about 5.0 μm.

Claim 14 (new): A structure of a resistance welded part according to Claim 11, wherein the nickel film is formed with a thickness of about 0.5 μm to about 5.0 μm.

Claim 15 (new); A structure of a resistance welded part according to Claim 11, wherein the nickel film is formed on the surface of the first metallic member and wherein a tin or silver film is formed on the nickel film before the welding operation.

Claim 16 (new): A structure of a resistance welded part according to Claim 12, wherein the nickel film is formed on the surface of the first metallic member and wherein a tin or silver film is formed on the nickel film before the welding operation.

Claim 17 (new): A structure of a resistance welded part according to Claim 13, wherein the nickel film is formed on the surface of the first metallic member and wherein a tin or silver film is formed on the nickel film before the welding operation.

Claim 18 (new): A structure of a resistance welded part according to Claim 14, wherein the nickel film is formed on the surface of the first metallic member and wherein a tin or silver film is formed on the nickel film before the welding operation.

Claim 19 (new): A structure of a resistance welded part according to Claim 11, wherein the nickel film is formed with a thickness of about 0.5 μm to about 5.0 μm.

Claim 20 (new): A structure of a resistance welded part according to Claim 11, wherein the nickel film is formed on the surface of the first metallic member, and wherein the method further comprises forming a tin or silver film on the nickel film.

Claim 21 (new): A method for manufacturing an electronic component, the method comprising:

preparing both a terminal member comprising iron or an alloy containing iron and a connection conductor comprising copper or an alloy containing copper;

forming a nickel film on a surface of at least one of the terminal member and the connection conductor; and

joining the terminal member to the connection conductor by:

allowing the terminal member to butt against the connection conductor via the nickel film; and

allowing a part each of the terminal member and the connection conductor, and at least a part of the nickel film to melt by flowing electric currents through the terminal member and the connection conductor to generate a heat based on contact resistance between the terminal member and the connection conductor, thereby joining the terminal member to the connection conductor.